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(FILE 'HOME' ENTERED AT 08:10:34 ON 20 JUL 2005)

FILE 'STNGUIDE' ENTERED AT 08:10:39 ON 20 JUL 2005

FILE 'DISSABS, IMOBILITY, AGRICOLA, AQUASCI, BIOTECHNO, COMPENDEX,
COMPUAB, CONF, CONFSCI, ELCOM, HEALSAFE, IMSDRUGCONF, LIFESCI, OCEAN,
PAPERCHEM2, PASCAL, POLLUAB, SOLIDSTATE, ADISCTI, ADISINSIGHT, ADISNEWS,
ANABSTR, ANTE, AQUALINE, BIOBUSINESS, BIOCOMMERCE, ' ENTERED AT 08:10:54
ON 20 JUL 2005

L1 233 S (G3 OR (G (A) DOMAIN) OR (GLOBULAR) OR SUBDOMAIN) (S) ((LAMI
L2 46 S L1 (S) (FUS? OR ?CONJUGAT? OR COUPL? OR LINK? OR TAG)
L3 30 DUP REM L2 (16 DUPLICATES REMOVED)
L4 1 S L1 (S) CHIMER?

L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:832666 CAPLUS

DOCUMENT NUMBER: 134:159051

TITLE: Isolation and activity of proteolytic fragment of laminin-5 $\alpha 3$ chain

AUTHOR(S): Tsubota, Yoshiaki; Mizushima, Hiroto; Hirosaki, Tomomi; Higashi, Shouichi; Yasumitsu, Hidetaro; Miyazaki, Kaoru

CORPORATE SOURCE: Division of Cell Biology, Kihara Institute for Biological Research, Yokohama City University, Totsuka-ku, Yokohama, 244-0813, Japan

SOURCE: Biochemical and Biophysical Research Communications (2000), 278(3), 614-620
CODEN: BBRCA9; ISSN: 0006-291X

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AB Laminin-5 ($\alpha 3\beta 3\gamma 2$) is an important component of epithelial basement membranes. The 190-kDa $\alpha 3$ chain undergoes extracellular cleavage within the C-terminus consisting of 5 globular domains (G1-G5), producing the mature laminin-5 with the 160-kDa $\alpha 3$ chain. To understand the physiol. meaning of this processing, the authors isolated the C-terminal fragments of the $\alpha 3$ chain from the conditioned media of 2 kinds of human cell lines. The N-terminal sequence of the fragments suggested that the cleavage occurred at Gln1337-Asp1338 in the spacer region between the G3 and G4 domains. The G4-G5 fragment itself did not show significant activity, but it stimulated cell migration in the presence of a low concentration of the mature laminin-5, suggesting its regulatory role in cell migration.
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REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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